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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 50189/003WO2	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IR					
International application No.	International filing date (day/mo	nth/year) Priority date (day/month/year)				
PCT/US03/19613	20 June 2003 (20.06.2003)	20 June 2002 (20.06.2002)				
International Patent Classification (IPC)	or national classification and IPC					
IPC(7): G01N 33/53, 33/543 and US C1	.: 435/7.1; 436/518					
Applicant						
STROOBANT, PAUL						
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 						
2. This REPORT consists of	2. This REPORT consists of a total of \(\frac{\frac{1}{2}}{2} \) sheets, including this cover sheet.					
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
These annexes consist of	a total of sheets.					
3. This report contains indic	ations relating to the following	items:				
I Basis of the report						
II Priority	II Priority					
III Non-establishm	III Non-establishment of report with regard to novelty, inventive step and industrial applicability.					
IV Lack of unity of	of invention					
V Reasoned state applicability; c	V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
VI Certain docum	ents cited					
VII Certain defects	in the international application	1				
VIII Certain observ	ations on the international appl	ication				
Date of submission of the demand	Dat	e of completion of this report				
19 December 2003 (19.12.2003)	22 0	October 2004 (22.10.2004)				
Name and mailing address of the IPEA/US Mail Stop PCT, Attn: IPEA/US		horized officer				
Commissioner for Patents P.O. Box 1450	Gar	ry Counts 7. Roberto for				
Alexandria, Virginia 223 13-1450 Facsimile No. (703) 305-3230		ephone No. (571) 272-1600				
Facsimile No. (703) 500-5250	1008)					

Form PCT/IPEA/409 (cover sheet)(July 1998)



Internation plication No.	
PCT/II903/10613	

I.	Basi	s of the report			
1.	With	regard to the elements of the international application:*			
	\boxtimes	the international application as originally filed.			
	\boxtimes	the description:			
		pages 1-45 as originally filed			
		pages NONE , filed with the demand			
	K2	pages NONE , filed with the letter of			
	\boxtimes	the claims:			
		pages 46-54 , as originally filed	•		
		pages NONE , as amended (together with any statement) under Article 19 pages NONE , filed with the demand			
		pages NONE , filed with the letter of	•		
	\square	the drawings:	-		
		pages 1-14 , as originally filed	:		
		pages NONE , filed with the demand	•		
		pages NONE , filed with the letter of			
		the sequence listing part of the description:	:		
		pages NONE , as originally filed			
		pages NONE , filed with the demand			
		pages NONE , filed with the letter of			
2.		h regard to the language, all the elements marked above were available or furnished to this A uage in which the international application was filed, unless otherwise indicated under this ite			
		se elements were available or furnished to this Authority in the following language whi			
		the language of a translation furnished for the purposes of international search (under Rule2	3.1(b)).		
		the language of publication of the international application (under Rule 48.3(b)).			
		the language of the translation furnished for the purposes of international preliminary examin	nation(under Rules		
		55.2 and/or 55.3).	· <u>L</u>		
3.		h regard to any nucleotide and/or amino acid sequence disclosed in the international applica	tion, the		
	inte	mational preliminary examination was carried out on the basis of the sequence listing:			
		contained in the international application in printed form.			
	Щ	filed together with the international application in computer readable form.	17		
		furnished subsequently to this Authority in written form.	•		
	Щ	furnished subsequently to this Authority in computer readable form.			
		The statement that the subsequently furnished written sequence listing does not go beyond the	e disclosure in the		
		international application as filed has been furnished.	i ;		
	Ш	The statement that the information recorded in computer readable form is identical to the wrhas been furnished.	itten sequence listing		
4.	\boxtimes	The amendments have resulted in the cancellation of:	1.		
		the description, pages NONE			
		the claims, Nos. NONE	•		
		the drawings, sheets/fig.NONE			
5.		This report has been established as if (some of) the amendments had not been made, since they have be beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**	_		
thi	* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). ** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report:				



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PCT/US03/1961	3	

v.	Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1.	STATEMENT				
	Novelty (N)	Claims	1-52	YBS	
		Claims	NONE	NO	
	Inventive Step (IS)	Claims	1-52	YES	
		Claims	NONE	NO	
	Industrial Applicability (IA)	Claims	1-52	YES	
		Claims	NONE	NO	

2. CITATIONS AND EXPLANATIONS

Claims 1-52 meet the criteria set out in PCT Article 33(2)-(3), because the prior art of record does not teach or fairly suggest a method for determining an abundance of a biomolecule in a biological sample, wherein the method comprises the steps of:

(a) adhering a first biological sample to a first support to create a first matrix comprising one or more biomolecules from said first sample;

(b) adhering a second biological sample to a second support to create a second matrix comprising one or more biomolecules from said second sample;

(c) exposing a library of binding species at least one time to said first matrix to create a first product comprising one or more binding species of said library; and

(d) exposing the first product at least one time to said second matrix to create a second product, wherein a binding species present or absent in said second product is indicative of the abundance of said biomolecule in said first biological sample relative to said second biological sample.

References Smith et al., and Coto et al. teach the general state of the art.

Claims 1-52 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.

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